

IN THE CLAIMS:

Please amend the claims to read as follows.

Claim 1 (Currently Amended): An optical recording apparatus for recording a data pulse signal constituted by consecutive pairs of mark and space on an optical recording medium, comprising:

a drive pulse generator for generating a drive pulse in response to the data pulse signal;
a light source element for generating a write beam in response to the drive pulse; and
an optical system for irradiating ~~the write beam onto~~ the optical recording ~~media~~ medium
with the write beam,

wherein the drive pulse generator includes
a write pulse generator for generating a write pulse signal based on the data pulse signal,
a write beam intensity detector for detecting intensity of the write beam and generating a write beam intensity signal representing the detected intensity,
an instruction pulse generator for ~~comparing~~ generating a comparison signal representing a phase difference between the write pulse signal and ~~with~~ the write beam intensity signal and for generating an instruction pulse which is obtained by regulating a pulse width of the write pulse signal in response to a the comparison signal ~~representing a result of comparison~~, and
a drive unit for generating the drive pulse in response to the instruction pulse.

Claim 2 (Currently Amended): The optical recording apparatus according to claim 1, wherein the write pulse generator converts each pair of mark and space into strategy data including a plurality of consecutive pulses, and the strategy data is used as the write pulse signal.

Claim 3 (Currently Amended): The optical recording apparatus according to claim 2, wherein the ~~strategy data~~ write pulse signal includes a single leading pulse and a number of subsequent pulses corresponding ~~corresponds~~ to a mark length ~~of the pair of mark and space~~.

Claim 4 (Currently Amended): The optical recording apparatus according to claim 3, wherein the strategy data further includes a cool pulse at the end of a number of subsequent pulses ~~a position~~ corresponding to a mark length ~~immediate behind the mark of the pair of mark and space~~.

Claim 5 (Canceled).

Claim 6 (Currently Amended): The optical recording apparatus according to claim 3, wherein the write pulse signal further includes a cool pulse at the end of a number of subsequent pulses, and the comparison signal represents three phase differences between the write beam intensity signal and each of ~~with respect to three kinds of pulses, which are the leading, subsequent and cool pulses included in the strategy data~~.